

DEPARTMENT OF TRANSPORTATION
ADMINISTRATIVE SERVICES DIVISION
1401 EAST BROAD STREET
RICHMOND, VA 23219

NOTICE OF CONTRACT RENEWAL

1. DATE.....April 20, 2006
2. COMMODITY NAME.....Tractor Loader Backhoe – 4Wheel Drive
3. CONTRACT NUMBER.....**VAPP 21370**
4. CONTRACT PERIOD.....March 10, 2004 through March 9, 2007
(With 2 one-year renewals possible)
5. AUTHORIZED USERS.....State Agencies and Other Public Bodies
6. CONTRACTORS FIN NUMBER.....54-1390608
7. CONTRACTOR.....Rish Equipment Co.
1410 West Hundred Rd.
Chester, VA 23836
8. CONTRACTOR CONTACT PERSON.....Ronald Woodfin
9. CONTRACTOR'S PHONE NUMBER.....(804) 748-6411
FAX NUMBER (804) 796-9842
10. PRICES AND OPTIONSSee attached
11. DELIVERY.....120 Days
12. FOR FURTHER CONTRACT INFORMATION CONTRACT:.....Caroline Hudgins
(804) 786-2725
13. FOR ADDITIONAL COPIES OF THIS AND OTHER CONTRACTS AND ANY
ASSOCIATE CONTRACT CHANGES, CALL (804)-786-2725.

INSTRUCTIONS

1. Orders: Unless otherwise instructed by the Department of Transportation, institutions and agencies of the Commonwealth of Virginia may order items listed by issuing agency purchase orders (Form DPS-41-056) or by issuing their own purchase order form. Please forward copy of order to VDOT. – FAX – 804-225-4292 – ATTN: Caroline Hudgins
2. Virginia cities, counties, towns and political subdivisions may use their own form to order items listed in this contract
3. The applicable contract number, federal employer identification number (FIN) and item number (for itemized contracts) must be shown on each purchase order and copy.
4. Inspection on delivery or equipment and approval of vendor's invoice is the responsibility of receiving State Agency, Virginia City, county, town or political subdivision.
5. Any complaint as to quality faulty or delinquent delivery, or violation of contract provisions by contractor shall be reported to the Department of Transportation for handling with the contractor. Preprinted forms (DGS-41-024), by which to facilitate the notification of the contractor and this office of complaints, are available from the Division of Purchases and Supply (786 -3522)
6. SPECIFICATIONS: See Attached

**TRACTOR LOADER BACKHOE – 4 WHEEL DRIVE
PRICE AND OPTION DATA**

Base Unit Cost - **\$49,715.44**

Make & Model – **Komatsu WB140-2**

OPTIONS:

	Price
Hydraulic Swinger - WayneRoy	\$5,358.06
Perforated Ditch Cleaning Bucket LeeMac	\$1,084.22
Multipurpose Bucket – Komatsu 4 in 1	\$4,585.87
Sloping Blade - LeeMac	\$1,076.87
Independent Hydraulic System - Komatsu	\$1,891.08
Auxiliary Hydraulic System - Komatsu	\$1,155.66
Quick Coupler System for Bucket - LeeMac	\$2,679.03
Hydraulically Extendible Dipper Stick - Komatsu	\$4,412.52
12” Backhoe Bucket - LeeMac	\$472.77
18” Backhoe Bucket - LeeMac	\$551.57
Pallet Forks for Quick Coupler- LeeMac	\$2,941.68
Training Tapes – Komatsu WB140-2	Included
MSRP Discount for options not included above	38%
Extended Service Agreement – Full Machine 3 years	\$1,782.96
Engine & Transmission Extended Service Agreement – 5 years	\$2,660.16

***2% VIRGINIA PARTNERS IN PROCUREMENT SURCHARGE HAS BEEN
ADDED TO EACH UNIT PRICE.**

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

TRACTOR-LOADER-BACKHOE, FOUR-WHEEL DRIVE, INDUSTRIAL TYPE

General: It is the intent of these specifications to purchase a four-wheel drive industrial series tractor with integral front end loader and backhoe.

Engine: The engine is to be diesel, water-cooled with not less than four cylinders and not less than 239 cu. in. displacement. Engine is to be rated at not less than 85 hp, SAE net flywheel at no more than 2,300 RPM, and not less than 231 lbs.-ft. torque at no more than 1,400 RPM.

Engine is to be equipped with heavy duty dual element air filter with pre-cleaner and restriction indicator, oil filter, fuel filter, alternator, starter, battery, and muffler. If exhaust is vertical, a raincap or deflecting elbow is to be furnished.

Engine to be furnished with water jacket heater. An ether starting aid or glow plugs suitable for temperatures to -30° F. is to be furnished. Water jacket heater is to be sized for extended use (such as over weekends) or have thermostat control.

Engine coolant is to be ethylene glycol type antifreeze meeting the requirements of TMC RP-329 (fully formulated, low silicate, nitrite containing) mixed 50-50 with water to provide -34° F. protection. Antifreeze is to be on the current Penray® Fill-For-Life program approved list. Documentation should be provided with the bid to show that the coolant is on the list.

Radiator is to be tagged indicating the type of coolant and freeze protection level.

The engine is to be equipped with an electronic monitoring system providing visual and audible alarms for at least high engine temperature and low engine oil pressure.

Engine is to have full hood side panels.

Transmission and Drive: Loader to be driven through a fully synchronized transmission with torque converter and inboard or outboard planetary drive to rear wheels. Transmission to have not less than four forward and three reverse speeds.

Transmission to have a power shuttle reverser for loader operation.

Rear differential is to be equipped with differential lock or be torque proportioning.

Front axle is to be driving type as offered for the unit. To be engaged/disengaged by the operator.

Brakes: Unit is to have wet disc brakes, foot-operated, individually or together. Unit is to be equipped with a parking brake.

The service brake system, parking brake system, and emergency stopping system are to conform to SAE J1473 - Brake Performance - Rubber-Tired Earthmoving Machines.

Steering and Tires: Front axle is to have power steering. Front tires are to be manufacturer's standard size, tubeless. Rear tires are to be manufacturer's standard size, tubeless.

A "dead engine emergency steering system" is to be furnished. The system may consist of either accumulators, electrically driven components or ground driven system. The system shall conform to SAE J1511, Steering for Off-Road Rubber-Tired Machines.

Electrical System: Electrical system shall be 12 volt.

Unit to be equipped with maximum starting and charging system capacities offered by the manufacturer.

Hydraulic System: Tractor to be equipped with adequate hydraulic pump, reservoir and filter for operation of all components. All hydraulic cylinders are to be double-acting and of sufficient size for application.

Cab: To have a factory installed cab with ROPS structure as required by OSHA Standards. To include air conditioner (R134a refrigerant), hot water cab heater, defroster, safety glass, air or electric powered front and rear windshield wipers, floor mat, interior dome light, instrument lights, inside rearview mirror, right and left outside rearview mirrors, horn, and back-up alarm.

Instrument panel is to include manufacturer's standard gauges and indicators but must include at least a fuel gauge, hour meter, and tachometer. Gauges, indicators or an electronic monitoring system to be furnished for charging system, engine temperature, engine oil pressure, and transmission or torque converter pressure or temperature.

Operator seat is to be a load adjustable full suspension type. Seat and backrest to be padded/upholstered. It is to include seat belt with retractors.

Wiring, switch, and fuse are to be installed for operation of a strobe type warning light. (Light will be supplied by the Virginia Department of Transportation.) Wiring is to terminate at roof of cab with approximately 3' of wire coiled to be routed when light is installed by Department personnel. Switch and wiring shall be rated for a minimum 25 amp circuit. A relay or other means shall be provided so as not to put a load on the ignition switch.

Interior of cab to be furnished with the maximum noise suppression treatment available as listed in manufacturer's literature.

Miscellaneous: Lighting is to include front and rear sealed beam or halogen work lights for night operation, tail/stoptlights, combination turn signal and hazard warning lights.

A vandalism protection group shall be provided to include as a minimum a locking instrument panel cover, locking filler caps for fuel tank, hydraulic tank, engine oil and radiator. A cab with locking doors is acceptable in lieu of instrument panel cover, and filler caps located behind locking side hood plates around engine are acceptable in lieu of individual locking filler caps. Padlocks need not be included if required for individual locking filler caps.

A slow-moving vehicle emblem is to be mounted on rear of machine.

Tractor to be equipped with rear fenders.

Unit to comply with all current OSHA Standards.

Loader: Loader is to have independent hydraulic controls and double-acting rams for both bucket and lifting arms. A lift arm support device is to be furnished according to SAE J38, Lift Arm Support Device for Loaders.

Loader to provide a dumping clearance of not less than 8' 0" at 45° dump, full height. Reach at dump height to be at least 29". It is to have a minimum lifting capacity of 6,200 lbs.

Loader is to have a bucket level indicator and automatic return to dig.

Loader is to be furnished with a standard bucket suitable for excavating and loading various materials. Bucket to have a heaped capacity of not less than 1.1 cu. Yd. It is to be furnished with hardened steel cutting edge and equipped with bolt-on teeth.

Backhoe: Backhoe to be controlled and operated independently of front end loader making unit versatile by performing either operation, without making a change. Dipperstick and boom to be of welded box section or cast ductile iron construction for maximum strength. Backhoe is to have approximately 180° hydraulically controlled swing with swing brake or cushioning valve to absorb shock.

Backhoe to have a quick coupler attachment for bucket changes.

Backhoe shall have hydraulically operated stabilizers to assure stability when working at any angle or in any terrain. Stabilizers are to be equipped with flip over style street/off-road pads.

Backhoe shall be equipped with a standard 24" backhoe bucket.

Backhoe controls are to be two-lever type.

Backhoe digging depth is to be not less than 14' 6" and loading height not less than 11'.

Option List: These specifications contain various options for purchase at the time the units are ordered.

Bidders shall quote the additional cost or price deduction for each option as applicable to the base specifications of the tractor-loader-backhoe.

Bidder must provide the same make and model tractor-loader-backhoe as bid in the base specifications except for changes necessary to comply with the options.

Option 1: Provide a hydraulically operated swinger (wrist action adapter) for the backhoe to allow the bucket to swing at least 45° side to side for cleaning ditches and shaping slopes. Unit may be cylinder actuated as manufactured by Wain-Roy, Inc., or sliding spline type (POWERTILT®) as manufactured by HELAC Corporation. If cylinder actuated, it is to be operated by a single hydraulic cylinder that is self-enclosed and located between the bucket links and dipperstick pivot to prevent damage.

Option 2: Provide a 4' wide perforated ditch cleaning bucket.

Option 3: Provide a multi-purpose (4 in 1) bucket suitable for excavating and loading various materials. Bucket to have a heaped capacity of not less than 1.1 cu. yd. It is to be furnished with hardened steel cutting edge and equipped with bolt-on teeth.

Option 4: Provide a 4' wide sloping blade.

Option 5: Provide independent hydraulic system having mounting brackets, valves, etc., that does not interfere with the operation of front-mounted loader for operation of backhoe mounted tools.

Option 6: Provide an auxiliary hydraulic system for operation of open center tools requiring up to 12 GPM at 1,600 psi. Preferred location of the circuit is to be on the right-hand side at the rear of the tractor. It is to terminate with 3/8" valved quick disconnects (Parker FF Series or mating equivalent) and allow for changing of tools without stopping tractor engine.

Option 7: Provide a quick coupler system for the loader bucket. System is to be designed and installed so that quick coupler can be power operated from the operator's position.

Option 8: Provide a hydraulically extendible dipperstick which allows a digging depth of approximately 3' greater than quoted standard model.

Option 9: Provide a 12" backhoe bucket.

Option 10: Provide an 18" backhoe bucket.

Option 11: Provide a set of pallet forks for use with the quick coupler system. Forks shall be rated at approximately 5,000 lbs. at 24" load center. Forks shall have adjustable tine spacing. Tines shall be approximately 48" long.

OTHER SPECIFICATIONS

Workmanship: All workmanship shall be in accordance with good commercial practices. Welds shall be ground and sanded to insure satisfactory appearance of the completed unit.

Paint: Manufacturer's standard color is acceptable provided the primary color is a shade of yellow or orange associated with construction equipment. Two-tone paint schemes are subject to approval by VDOT's Assistant Director for Equipment Management. Contact the Assistant Director for Equipment Management's office at (804) 236-3589 for approval.

If manufacturer's standard color is not acceptable, the unit is to be painted one coat of rust inhibitive paint prior to being painted a finished coat of lead free Virginia Highway Orange Color, Du Pont Color #LF74279AT, or equivalent.

Advertisement: No stickers, decals, or plates displaying dealer or distributor name or logo shall be affixed to equipment. Manufacturer plate with model and serial number is to be on the equipment.

Warranty: The unit is to be warranted for a minimum period of 24 months from the date it is placed in service by the Virginia Department of Transportation (VDOT). Any forms required for updating warranty start dates are to be delivered to the VDOT District Equipment and Facilities Manager at the time the unit is delivered. Warranty is to include all items covered under the manufacturer's standard warranty. Wear items such as blades, teeth and points, etc., are excluded. The manufacturer shall agree to replace any parts that fail during normal use. Replacement is to include at no cost to the Commonwealth of Virginia all parts, labor, and transportation costs to the location of the equipment. At the option of the District Equipment and Facilities Manager, the machine may be returned to the dealer's facility for repairs.

Spare Filters: Each machine delivered is to include one spare filter for each system (air, fuel, engine oil, hydraulic, etc.) on the machine. **Filters are to be boxed and labeled for each receiving location. Shipping loose in the cab of the machine is not acceptable.**

Delivery: Equipment is to be delivered to the District Headquarter locations listed in the Request for Quote (RFQ). Unit is to be fully assembled and ready to operate before being accepted by the Department.

Instruction: A manufacturer or dealer representative is to inspect the equipment after delivery and provide technical instructions on the operation and maintenance requirements for the unit to each district receiving equipment. This must be scheduled with the VDOT District Equipment and Facilities Manager. If available, a video outlining maintenance and operation requirements shall be provided with each unit furnished.

Current Model: Equipment is to be a standard proven model of manufacturer's latest current production and include all standard equipment as advertised with additional optional equipment outlined herein. All components, unless otherwise required by these specifications, shall be the standard or optional equipment specifically advertised and installed by the manufacturer.

Bid Literature: Descriptive literature will be required to substantiate the details specified in bid.

Equipment Data Sheet: Upon receipt of order, successful bidder will be furnished an Equipment Data Sheet requesting details of unit being furnished. The Equipment Data Sheet is to be completed and returned to the Asset Management Division within six calendar weeks after receipt.

Unit delivered must be in accordance with information furnished in the Equipment Data Sheet unless otherwise approved by the Asset Management Division.

Manuals and Parts Lists: Successful bidder shall furnish one operator's manual, one shop service manual, and one parts list in CD-ROM or microfiche for each unit delivered. If microfiche, parts lists to be 4" x 6" cards, positive or negative, 24X or 42X magnification. All manuals and parts lists under any circumstances must be congruent with the unit delivered and shall include information on all components and items furnished.

Two additional copies of operators' manuals, shop manuals and parts lists are to be delivered to each receiving district.

Technical Service Bulletins: Successful bidder shall provide technical service bulletins (TSBs) for all equipment delivered to a VDOT district location for a period of 5 years from the date of delivery. TSBs may be furnished in paper format, on CD-ROM updated regularly, or by allowing access to the manufacturer's website containing TSBs by all VDOT shop locations. VDOT personnel will monitor receipt of TSBs and annually contact the vendor/manufacturer if no TSBs are received.

Technician Training: The successful bidder agrees to conduct training sessions developed specifically for VDOT's equipment repair technicians. The training will be scheduled through VDOT's contracted training coordinator, ManTech Solutions and Technologies Corporation. Bidder shall provide the name and telephone number of the equipment manufacturer's training representative in the blanks at the end of this section. Training is to commence, as determined by VDOT, approximately six to twelve months after the last unit is placed in service by VDOT.

Training topics will be determined by VDOT and communicated to the manufacturer's training representative by ManTech. A list will be sent to the manufacturer's training representative detailing any problems VDOT has encountered with the equipment. Training shall include complete diagnosis and repair of the listed problems as well as detailed preventive maintenance procedures (A, B, C, & D levels) and discussion of any

problems or updates known by the manufacturer. ManTech will send the list to the manufacturer two months prior to the scheduled training date.

One training session will be scheduled in each district (at the district equipment section location) that received the equipment. The maximum number of training sessions required per year would be ten. For renewable term contracts, training sessions will be required each year orders are placed from the contract.

Training sessions will include a minimum of 16 hours (two eight-hour days) of training.
Manufacturer's Training Representative

Name: _____

Telephone Number: _